

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

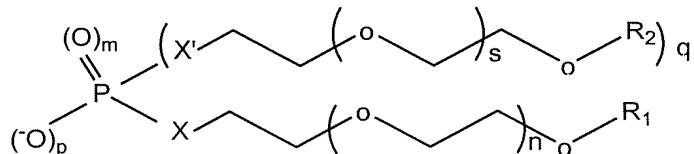
1. - 14. (Cancelled)

15. (Currently Amended) [[An]] A method for using an adhesive emulsion for adhesive comprising, for successive or simultaneous addition:

applying the adhesive emulsion to join together at least two surfaces, wherein the adhesive emulsion comprises:

an isocyanate composition (a) with a mass content of N=C=O function of between 10% and 30%, optionally from 15% to 25% and with a viscosity of not more than 2500 mPa.s, optionally not more than 1500 mPa.s, and with a particle size  $d_{50}$  of not more than 25  $\mu\text{m}$  and, optionally not more than 22  $\mu\text{m}$ , for a polydispersity index of not more than 1.5, and optionally not more than 1.3;

a surfactant (b) comprising a compound or a mixture of compounds of mean general formula:



wherein:

p represents a value between 1 and 2;

m represents zero or 1;

the sum p+m+q is equal to 3;

the sum 1+p+2m+q is equal to 3 or 5, optionally 5;

X is an oxygen;

X' is an oxygen;

n and s have the same statistical value, chosen between 5 and 30, optionally between 9 and 20,

wherein  $R_1$  and  $R_2$ , which are different or identical, are chosen from substituted or unsubstituted aliphatic radicals with no aromatic nucleus, substituted or unsubstituted, and optionally  $R_1$  and  $R_2$  are aliphatic radicals substituted with alkyls; and

an aqueous phase with a pH of between 4 and 9, optionally bearing an adhesive polymer,

wherein the isocyanate composition (a), the surfactant (b), and the aqueous phase optionally bearing an adhesive polymer and added simultaneously or successively to form the adhesive emulsion, and

wherein the adhesive emulsion includes particles having a particle size  $d_{50}$  of not more than 25  $\mu\text{m}$  and, optionally not more than 22  $\mu\text{m}$ , and the adhesive emulsion has a polydispersity index of not more than 1.5, and optionally not more than 1.3.

16. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 15, wherein the viscosity is not more than 2000 mPas, and optionally not more than 1500 mPas.

17. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 15, wherein the mass of the agent b) (numerator) and the mass of the composition a) (denominator) has a ratio ranging from 2% to 10%, optionally from 3% to 7%.

18. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 15, wherein the sum  $p+q$  is equal to 2.

19. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 15, wherein said isocyanate composition a) comprises at least 50%, optionally 70% by mass of oligomers chosen from hetero- and homooligomers, at least one of the monomers of which is an aliphatic monomer bearing at least two isocyanate functions and whose skeleton, on the shortest trajectory connecting two isocyanate functions, comprises at least one polymethylene sequence of at least two methylene chain units  $(\text{CH}_2)_\mu$  ( $\mu \geq 2$ ), which is exocyclic when the monomer comprises a ring.

20. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 15, wherein said isocyanate composition a) further comprises a portion of reactive solvent comprising at least one molecule chosen from dimers, bis-dimers, monoallophanates, polymethylene diisocyanates and di-, tri- or tetrafunctional monomers with a molecular mass at least equal to 200.

21. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 20, wherein said portion represents a portion ranging from 5% to 20% by mass of the isocyanate composition a).

22. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 20, wherein the dimers and the bis-dimers represent by mass from 5% to 20% of the composition a).

23. - 28. (Cancelled)

29. (Currently Amended) The emulsion method for using the adhesive emulsion as claimed in claim 15, wherein the viscosity is not more than 1400 mPas, and optionally not more than 1200 mPas.

30. (Currently Amended) A method composition for using an adhesive emulsion comprising, ~~for successive or simultaneous addition:~~

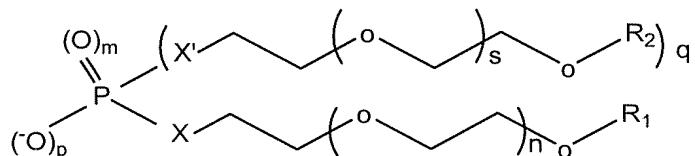
applying the adhesive emulsion to join together at least two surfaces, wherein the adhesive emulsion comprises:

an isocyanate composition (a) with a mass content of N=C=O function of between 10% and 30%, optionally from 15% to 25% and with a viscosity of not more than 2500 mPa.s, optionally not more than 1500 mPa.s, ~~with a particle size  $d_{50}$  of not more than 25  $\mu\text{m}$  and, optionally not more than 22  $\mu\text{m}$ , for a polydispersity index of not more than 1.5, and optionally not more than 1.3,~~

wherein the isocyanate composition (a) further comprises a portion ranging from 5% to 20% by mass of reactive solvent comprising at least one molecule chosen from dimers, bis-

dimers, monoallophanates, polymethylene diisocyanates and di-, tri- or tetrafunctional monomers with a molecular mass at least equal to 200; [[and]]

a surfactant (b) comprising a compound or a mixture of compounds of mean general formula:



wherein:

$\text{p}$  represents a value between 1 and 2;

$\text{m}$  represents zero or 1;

the sum  $\text{p}+\text{m}+\text{q}$  is equal to 3;

the sum  $1+\text{p}+2\text{m}+\text{q}$  is equal to 3 or 5, optionally 5;

$\text{X}$  is an oxygen;

$\text{X}'$  is an oxygen;

$\text{n}$  and  $\text{s}$  have the same statistical value of between 5 and 30, optionally between 9 and 20,

wherein  $\text{R}_1$  and  $\text{R}_2$ , which are different or identical, are chosen from substituted or unsubstituted aliphatic radicals with no aromatic nucleus, substituted or unsubstituted, and optionally  $\text{R}_1$  and  $\text{R}_2$  are aliphatic radicals substituted with alkyls; and

an aqueous phase with a pH of between 4 and 9, optionally bearing an adhesive polymer,

wherein the isocyanate composition (a), the surfactant (b), and the aqueous phase optionally bearing an adhesive polymer and added simultaneously or successively to form the adhesive emulsion, and

wherein the adhesive emulsion includes particles having a particle size  $\text{d}_{50}$  of not more than 25  $\mu\text{m}$  and, optionally not more than 22  $\mu\text{m}$ , and the adhesive emulsion has a polydispersity index of not more than 1.5, and optionally not more than 1.3.